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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 99,818)

PATENT

In re Application of: )  
Mark O. Vogel et al. ) Examiner: To Be Assigned  
Serial No. 09/538,342 ) Art Unit: 2711  
Filed: March 29, 2000 )  
For: Method for Improved Cable Modem Ranging )  
In A Data-Over-Cable System )

**TRANSMITTAL LETTER**

Commissioner for Patents  
Washington, DC 20231

1. We are transmitting herewith the attached papers for the above-identified patent application:
  - 1) Fifth Supplemental Information Disclosure Statement (IDS) Letter
  - 2) Fifth Supplemental Information Disclosure Statement (IDS) PTO-Form 1449
  - 3) Copies of IDS Citations for 09/538,342 (12 Documents)
  - 4) Return Postcard
2. A check in the amount of \$0.00 is enclosed for the Filing Fee.
3. **GENERAL AUTHORIZATION TO CHARGE OR CREDIT FEES:** Please charge any additional fees or credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.
4. **CERTIFICATE OF MAILING UNDER 37 CFR § 1.8:** The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this 5<sup>th</sup> day of March, 2003.

By: Bradley J. Hulbert  
Bradley J. Hulbert  
Reg. No. 30,130

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**FIFTH SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT LETTER**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Pursuant to the duty of disclosure provided by 35 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make the following references of record in the above-identified application. Copies of the references are enclosed. Copies are also listed in the PTO-1449 form enclosed herewith. It is requested that the documents be given careful consideration and that they be cited of record in the prosecution history of the present application so that they will appear on the face of the patent issuing from the present application.

Portions of the references may be material to the examination of the pending claims, however no such admission is intended. 37 C.F.R. 1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. sections 102 or 103.

## CITED REFERENCES

### U.S. Patent Documents

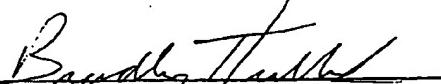
Document Number	Date	Name
6,510,162	01-21-03	Fijolek et al.
5,929,850	07-27-99	Broadwin et al.
5,528,595	06-18-96	Walsh et al.

### Other Documents

1. Droms, R., *Dynamic Host Configuration Protocol*, Request for Comments 1541, October 1993, Pages 1 to 31.
2. RFC 791, *Internet Protocol, DARPA Internet Program Protocol Specification*, September 1981, Pgs. 1-37.
3. Postel, J., *Internet Protocol, DARPA Internet Program Protocol Specification*, RFC 792, September 1981, Pgs. 1-14.
4. Postel, J., *User Datagram Protocol*, RFC 768, August 28, 1980, Pgs. 1-3.
5. RFC 793, *Transmission Control Protocol, DARPA Internet Program Protocol Specification*, September 1981, Pgs. 1-68.
6. Case, J. et al., *A Simple Network Management Protocol (SNMP)*, RFC 1157, May 1990, Pgs. 1-26.
7. Sollins, K., *The TFTP Protocol (Revision 2)*, RFC 1350, July 1992, Pgs. 1-9.
8. Alexander, S., *DHCP Options and BOOTP Vendor Extensions*, RFC 2132, March 1997, Pgs. 1-27.
9. "Radio Frequency Interface Specification (Interim Specification) SP-RFIv1.1-103-991105", MCNS Holdings, L.P., 1999, Pgs. li to 366.

Respectfully submitted,

Date: March 5, 2003

By:   
Bradley J. Hulbert  
Registration No. 30,130

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 99,818	Serial No. 09/538,342
<b>FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		Applicant: Mark O. Vogel et al.	
		Filing Date: March 29, 2000	Group: 2711

**U.S. PATENT**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
-	1. 6,510,162	01-21-03	Fijolek et al.	370	432	05-27-98
	2. 5,929,850	07-27-99	Broadwin et al.	345	327	07-01-96
	3. 5,528,595	06-18-96	Walsh et al.	370	85.13	11-14-95

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).**

4.	Droms, R., <i>Dynamic Host Configuration Protocol</i> , Request for Comments 1541, October 1993, Pages 1 to 31.
5.	RFC 791, <i>Internet Protocol, DARPA Internet Program Protocol Specification</i> , September 1981, Pgs. 1-37.
6.	Postel, J., <i>Internet Protocol, DARPA Internet Program Protocol Specification</i> , RFC 792, September 1981, Pgs. 1-14.
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8.	RFC 793, <i>Transmission Control Protocol, DARPA Internet Program Protocol Specification</i> , September 1981, Pgs. 1-68.
9.	Case, J. et al., <i>A Simple Network Management Protocol (SNMP)</i> , RFC 1157, May 1990, Pgs. 1-26.
10.	Sollins, K., <i>The TFTP Protocol (Revision 2)</i> , RFC 1350, July 1992, Pgs. 1-9.
11.	Alexander, S., <i>DHCP Options and BOOTP Vendor Extensions</i> , RFC 2132, March 1997, Pgs. 1-27.
12.	"Radio Frequency Interface Specification (Interim Specification) SP-RF1v1.1-103-991105", MCNS Holdings, L.P., 1999, Pgs. ii to 366.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Hon. Commissioner of  
Patents and Trademarks      S/N: 09/538,342      Atty      BJH:hm  
Re: Applicant - Mark O. Vogel et al.      Case No. 99,818  
"Method for Improved Cable Modem Ranging in a Data-Over-Cable System".

Sir:

Please place the Patent Office receipt stamp hereon and mail to acknowledge receipt of:

- (1) Transmittal Letter in duplicate;
- (2) Fifth Supplemental Information Disclosure Statement;
- (3) Fifth Supplemental Form PTO-1449; and
- (4) 12 Cited References.

Fee Enclosed

Respectfully,  
McDonnell Boehnen Hulbert & Berghoff  
Attorney for Applicant

\$ 0.  
Date Mailed: March 5, 2003

BEST AVAILABLE COPY